

Nº 18.

June 24th 1890.

July 21st 1890.

Dr 3263 to 3302.

Hy^d 2386 to 2445.

2386 - 2445
~~Tanner Reel~~

~~408 turns on reel~~

~~Turns -~~

~~Correction~~

~~#2 to 72 -~~

~~+ 1.~~

~~73 to 94 -~~

~~+ 2~~

~~95 to 157 -~~

~~+ 3.~~

~~158 to 195 -~~

~~+ 4.~~

~~196 to 357 -~~

~~+ 5.~~

~~358 to 408 -~~

~~+ 6~~

615 turns on reel

632 fathoms " "

No. 3263 *52* Date *June 24. 1890*
Tanner Machine. Reel.

Turns 60 Cor. + ' Depth 61 fms

Shot or lead 28 lb

Bottom *br m*

Bottom temperature 39 1/2

No. of Thermometer 63902 Cor. -

Corrected temperature 39.5

Air 43 Surface 45 Drift. 1' E. x N.

Trawl or dredge or tangles *Large Beam*

SOUNDING WIRE.

DREDGE ROPE.

<i>P.M.</i> DOWN.	<i>P.M.</i> UP.	TURNS.	<i>P.M.</i> DOWN.	<i>P.M.</i> UP.
6.20.40	6.22.10	0	6.26.30	52.50
		100	33.00	49.10
		200	36.05	6.17.00
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Starfish a few

REMARKS.

2 qts Red Prawns. 3 Large Flounders

a few very small Shrimps

Pk. Large Shells Corral with Sponges

a few grey Sea Anemones

Hermit Crabs.

12 Large Long Leg Crabs.

No. 3264 *012* Date June 24th 1890.
Tanner Machine. — Reel.

Turns 40 Cor. + — Depth 40 fms.

Shot or lead 28 lbs.

Bottom crs. S. r. G.

Bottom temperature 40.5°

No. of Thermometer 63902 Cor. —

Corrected temperature 40.5

Air 43 Surface 45 Drift. $\frac{1}{2}$ = S. E.

Trawl or dredge or tangles large beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8.21.00	22.55	0	8.39.45	9.02.00
21.25	8.21.33	100	46.40	8.58.30
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

9 Haul, hauled over pt'd side at 8:20.
 Hauled in at 8:40
 Catch: — 1 Cod fish

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

1 pk. Star fish	REMARKS.	Ascidians
1 pk. Sea Anemones		Sea Anemones
1/2 pk. Sand Dollars		
1 doz. Horn Worm Tubes		
3 Alligator Lish		
1/2 doz. Blounders		

No. 2386 Hyd. Date June 24th 1890.

Tanner Machine. — Reel.

Turns 40 Cor. + — Depth 40 fms.

Shot or lead 28 lbs.

Bottom Hk. G.

Bottom temperature 41.3°

No. of Thermometer 63902 Cor. —

Corrected temperature 41.3°

Air 43° Surface 45° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

9.43.35

45.00

0

43.50

9.43.55

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2387 Hyd. Date June 24th 1890

Tanner Machine. Reel.

Turns 24 Cor. + — Depth 24 fms.

Shot or lead 28 lbs.

Bottom bk. g.

Bottom temperature 41.4°

No. of Thermometer 63902 Cor. —

Corrected temperature 41.4

Air 42° Surface 44° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

10.14.50

16.45

0

15.10

10.15.15

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2388 Hyd. Date Jul

Tanner Machine. — Reel.

Turns 25 Cor. + — Depth

Shot or lead

Bottom crs. S. P. 1

Bottom temperature

No. of Thermometer 05902 Cor. .Corrected temperature 41.Air 43° Surface 44 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2384 004 Date June 25 1881
 Tanner Machine. Reel.

Turns 145 Cor. + 1 Depth

Shot or lead 28 lb

Bottom s. b. s.

Bottom temperature 40°

No. of Thermometer 63402 Cor. -

Corrected temperature 40°

Air 42 Surface 41 Drift.

Trawl or dredge or tangles.

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

1-16-30

17-20

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2390 May Date June 2
new Machine. - Reel. -

Turns 55 Cor. + 1 Depth 56

Shot or lead 28

Bottom dk m + g.

Bottom temperature 39

No. of Thermometer 65902 Cor. -

Corrected temperature 39°

Air 42 Surface 44 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

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REMARKS.

No. *2341* *Lead* Date *July 18*

Machine. Reel.

Turns *50* Cor. + DepthShot or lead *35 lb*

Bottom

Bottom temperature

No. of Thermometer Cor.

Corrected temperature *36.0*Air *42* Surface Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3265 41 Date ✓

Machine. -- Reel.

Turns 38 Cor. + — DepthShot or lead —Bottom —Bottom temperature —No. of Thermometer 63902 Cor. —Corrected temperature 39.2Air 47 Surface Drift. —Trawl or dredge or tangles —

SOUNDING WIRE.

DOWN. UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

No. 0266 Date

Tanner Machine. — Reel.

Turns 24 Cor. + — Depth

Shot or lead

Bottom

Bottom temperature

No. of Thermometer 63902 Cor. —Corrected temperature 42.2Air 42.2 Surface 41.5 Drift 88 1/2

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		12
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	71.00	15	3.2	
50	70.00	15	3.1	
100	Avq.	10 1/2	24 2/3	
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Ascidians : Few Shrimps
Flounders : Sculpin
Allyator : Fish

No. Key Date Year Machine. Reel. Turns Cor. + 0 Depth Shot or lead Bottom Bottom temperature °No. of Thermometer 63702 Cor. Corrected temperature 42.3Air 44 Surface 46 Drift. Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

600 Measurements -
SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Tanner Machine. Reel.

Shot or lead }

Bottom temperature

Corrected temperature 41°

Trawl or dredge or tangles

DREDGE ROPE.

UP.

TURNS.

DOWN.

UP.

11.39 00	41.00	0	11.01.48
		100	
		200	
		300	
		400	
		500	
		600	
		700	
		800	
		900	
		1000	
		1100	
		1200	
		1300	
		1400	
		1500	
		1600	
		1700	
		1800	
		1900	
		2000	
		2100	
		2200	
		2300	
		2400	

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	4 lbs.	Min.	2 2	<u>14</u>
50	21			
100	12 1/2 lbs.	W. W. W. W. W.	5 1	<u>14</u>
200				
300			4	
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *2393* Hyd. Date*January* Machine. — Reel.Turns *43* Cor. + *1* DepthShot or lead *28 lb*Bottom *M.*

Bottom temperature

No. of Thermometer *63402* Cor. -Corrected temperature *40°*Air *40* Surface *26°* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

Surface
SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	4	71		
50				
100				
200				
300			1	
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2394 Hyd. Date June 2

Tanner Machine. — Reel.

Turns 41 Cor. + 1 Depth

Shot or lead 28

Bottom Gy S

Bottom temperature

No. of Thermometer 00402 Cor. -

Corrected temperature 39.5

Air 49 Surface 48 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	30	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2395 Key Date June 25th 1898
 Tanner Machine. — Reel. —
 Turns 36 Cor. + 0 Depth 36 fms
 Shot or lead 28 lb
 Bottom bk
 Bottom temperature 44
 No. of Thermometer 65702 Cor. —
 Corrected temperature 40°
 Air 45 Surface 47 Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

17.18

18.30

0

50

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *187* Date *1877*

Machine. Reel.

Turns *26* Cor. + *0* Depth *26*Shot or lead *28 lb*Bottom *o/s. S. & c.*

Bottom temperature

No. of Thermometer *628* Cor. *.*Corrected temperature *41.2*Air *45* Surface *47* Drift. *S. S. E. 3/4 E. 1 mi*Trawl or dredge or tangles *Beam*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

37.00

100

37.10

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

6
1. Sand Dollar

No. 2346 Date

Tanner Machine. Reel.

Turns 70 Cor. + 0 Depth

Shot or lead

Bottom 412.8

Bottom temperature

No. of Thermometer 63 Cor.

Corrected temperature 42.6

Air 41.8 Surface 42.6 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

5.34.56 6.00.00

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 269 D Date June 25. 1890

Tanner Machine. ☒ Reel.

Turns 16 Cor. + 0 Depth 16 fms

Shot or lead 28 lb

Bottom fine gy. S. M. m. s.

Bottom temperature 42.

No. of Thermometer 63912 Cor. -

Corrected temperature 42.

Air 21.2 Surface 41.2 Drift. $\frac{3}{4}$ mi S. E.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
7.25.00		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

Serial Temperature

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	1.00		2.2	1.18
50	1.00	11	2.2	1.18
100	1.00	11	2.1	1.19
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

0.10 - 3.30
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58.80 - 58.90
58.9

No. 2397 Hyd. Date

Machine. — Reel.

Turns 16 Cor. + — DepthShot or lead 2Bottom crs. bk. gy. sh.Bottom temperature 4No. of Thermometer 60700 Cor. —Corrected temperature 43.5Air 43 Surface 47 Drift.

Trawl or dredge or tangles —

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 710 DateMachine. W Reel.Turns 76 Cor. + - Depth 16 fms

Shot or lead

Bottom

Bottom temperature 43.6No. of Thermometer 63902 Cor. -Corrected temperature 43.6Air Surface Drift. S 10° W 1/2 N

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

6th. San. Collar. REMARKS.
 Ascidians.
 Shrimps.
 Two Hounders.
 1 large Skate
 Shells (dead).
 Note - No medusae.

No. 3271 Date June 26, 1897

Tanner Machine. Reel.

Turns 25 Cor. + 0 Depth 25 fms

Shot or lead 28 lb

Bottom bk. S.

Bottom temperature 41.9

No. of Thermometer 65101 Cor. -

Corrected temperature 41.9

Air 42 Surface 47 Drift. 1/4 m 7 1/4 S.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

H. 18.10

22.05

0

H. 37.00

H. 55.30

P. 25

H. 21.25

~~100~~
80

H. 3.00

H. 52.56

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

S. 100

S. 100

S. 100

S. 100

S. 100

S. 100

S. 100

S. 100

S. 100

S. 100

S. 100

S. 100

S. 100

S. 100

S. 100

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100	Mini	4.21		
200	Arg	9 lb.		
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

3 Medusa
3 Spongers

No. 3272 Date June 27/90
 Tanner _____ Machine _____ Reel _____

Turns 31 Cor. + _____ Depth 31

Shot or lead 48 lbs

Bottom gr & red S.

Bottom temperature 42

No. of Thermometer 63902 Cor. _____

Corrected temperature 42.2

Air 43 Surface 45 Drift 1/2 m

Trawl or dredge or tangles Large B. 27 3/4

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
1-55-0	1-16-0	0	1-11-0	280
		100	2-17-0	2-25-0
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000	16.25	Stevenson		

REMARKS.

16.25
 16.25
 16.25
 16.25
 16.25

No. *23914* Date *Jan 57/90*

Machine. Reel.

Turns — Cor. + — Depth *35*Shot or lead *38 lbs*Bottom *fine g.s.*Bottom temperature *39*No. of Thermometer *63902* Cor. —Corrected temperature *39*Air *43* Surface *45* Drift.

Trawl or dredge or tangles—

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

*3-08-0**3-09-0*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

3-08-0
3-09-0
3-10-0
3-11-0
3-12-0
3-13-0
3-14-0
3-15-0
3-16-0
3-17-0
3-18-0
3-19-0
3-20-0
3-21-0
3-22-0
3-23-0
3-24-0

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3273 Date *Tues. 21st 1890**Tanner* Machine. — Reel.

Turns 39 Cor. + — Depth 39 fms.

Shot or lead 28 lbs.

Bottom gy. s. & m.

Bottom temperature 38.5

No. of Thermometer 62410 Cor. —

Corrected temperature

Air 42 Surface 50 Drift. S. S. E.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

41.10.45

41

0

4.57.30

4.5

41.00

4.41.10

100

5.01.30

5.12.10

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

10 fms. over
 in at 4.55
 Cited: 8 fms.

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

Lead Measurements
SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	<i>Max</i>	<i>516</i>	<i>3.5</i>	
50	<i>Min</i>	<i>3</i>	<i>16</i>	
100	<i>Av</i>	<i>10</i>	<i>27</i>	
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Grabs. Medusae, etc.
Hydroids, etc. *See page*
Sculpin
In all about 1/2 bucket

No. 2399 Hyd. Date June 22 1899.
 Tanner Machine. — Reel.

Depth 26 fms.

Bottom fine gy. s.

Bottom temperature. 4-1

No. of Thermometer 63902 Cor. -

Corrected temperature 41°

Air 42° Surface 46° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
0.20.05	20.05	0		
0.15	6.28.20	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3274 Date 7-1-

Machine. Reel.

Turns 19 Cor. + - Depth 19 fms.

Shot or lead 28 lbs.

Bottom bk. S. & sh.

Bottom temperature did not register

No. of Thermometer 63902 Cor. -

Corrected temperature -

Air 42° Surface 45° Drift. E. S. E. 3/10 mi

Trawl or dredge or longline large beam

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7.19.45	21.00	0
20.05	7.20.15	45
		100
		200
		300
		400
		500
		600
		700
		800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

7.33.15 43.00

10 fms. at 7:22 -
 Dr. at 7:23
 Catch:-

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	16 fbs	Minim ^m	28	<u>in</u>
50	12 1/2 fbs	Maxim ^m	32	<u>in</u>
100	11 + fbs	Average	29 2/3	<u>in</u>
200				
300	2 Males		1 Female	
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

14 fms depth
In 100 fms 1-600 fms
Ascidians Bryozoa
Sponges
1 fms
Shrimps Crabs Squid

No. *3255* Date *June 21 1898**Tanner* Machine. Reel. *—*Turns *22* Cor. + *0* Depth *22 fms*Shot or lead *28 lb*Bottom *fine bk S.*Bottom temperature *42.8*No. of Thermometer *63902* Cor. *—*Corrected temperature *42.8*Air *✓ 2* Surface *25* Drift *1/2 mi 74/26*Trawl or dredge or tangles *—*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>8.58.30</i>		0	<i>8.58.30</i>	
		60		
<i>8.58.30</i>	<i>8.58.30</i>	100	<i>9.00.40</i>	<i>1.50</i>
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

No. 50 Day Date June 27. 1890

Machine. 1/ Reel.

Turns 34 Cor. + 0 Depth 34 fm

Shot or lead 28 lb

Bottom fine gy. s

Bottom temperature

No. of Thermometer 63902 Cor. -

Corrected temperature -

Air 42 Surface 44 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.37.50		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

567.

No. *2000* Date *June 28th 1900*
Tanner Machine. Reel.
 Turns *45* Cor. + *1* Depth *46 fms*
 Shot or lead *28 lbs*
 Bottom *fine gy. S*
 Bottom temperature *and red. water*
 No. of Thermometer *63902* Cor. *-*
 Corrected temperature *-*
 Air *42* Surface *44* Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>12.03 00</i>	<i>04.10</i>	0		
<i>03.30</i>	<i>12.03 30</i>	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *240314* Date *June 25th 90*
Tanner Machine. Reel.

Turns *41* Cor. + *-* Depth *41*

Shot or lead *28 lbs*

Bottom *fine gy S*

Bottom temperature *37*

No. of Thermometer *63902* Cor. *-*

Corrected temperature *37.2*

Air *42* Surface *40* Drift.

Trawl or dredge or tangles.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1-24-0</i>	<i>1-30-0</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *2403* Date *June 28th 90*
Sigsbee Machine. (Reel.)

Turns — Cor. + — Depth *40*

Shot or lead *28 lbs*

Bottom *fine gy S bk sp*

Bottom temperature *37*

No. of Thermometer *63902* Cor. —

Corrected temperature *37*

Air *42* Surface *45* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>2-50-0</i>	<i>2-51-0</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*On 400 fathoms in
 nothing
 2-53-0
 3-05-0
 1' white*

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3276 *Dr* Date *June 28th 1890.**Tanner* Machine. *Reel.*

Turns 18 Cor. + — Depth

*Shot or lead 28 lbs*Bottom *G. & sh. & Rky.*

Bottom temperature 42°

No. of Thermometer 63902 Cor. —

Corrected temperature 42°

Air 41° Surface 43° Drift. *L. E. & S. 5/10^{mi}*Trawl or dredge or tangles *Small*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

1 1 00	24.00	0	4.38.30	50.15
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100	Therm. mit bad-leistern.			
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

2' deep 12 ft
 few Holothurians. 2 sp.
 1 Crab.
 Banded Stars.
 Star fish.

567.

No. 3222 Date Jan 11 1880
Machine. Reel.

Turns 18 Cor. + - Depth 18 fms.

Shot or lead 20 lb.

Bottom G. Sh.

Bottom temperature 48.2°

No. of Thermometer Cor.

Corrected temperature 47.5°

Air Surface Drift. 71.4° 1 mi

Trawl or dredge or tangles.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

6.10

16.45 6.06.55

6.10

32

16.45

32

16.45

32

16.45

32

16.45

32

16.45

32

16.45

32

8 fms wire
in at 6.28-
watch 5.20

1 Watch at 16.45

0

40

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

35.15 6.44.07

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	51.0	Min.	24	<u>27</u>
50	49.5	Max.	31	<u>20</u>
100	81.0	Average	27	<u>27</u>
200				
300	3 Males.		2	Females
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1 bu. sea urchins
4 sps star fish
few crabs. (2 sps.)
1 shell

8. E. 13

No. 2404 New Date June 25 1890
Machine. - Reel. -

Turns 344 Cor. + 0 Depth 344 fms

Shot or lead 28 lb

Bottom bk. S.

Bottom temperature 40.6

No. of Thermometer Cor.

Corrected temperature 40.6

Air 42 Surface 44 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN. UP. TURNS. DOWN. UP.

8 11 24 12 30 0

11 50 8 11 51 100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

at 5 12

for

at 8 30

head lead

13

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	16 TSS.	Max.	32	
50	5 "	Min.	24	
100	11 "	Average	20	
200				
300	8	Water.	5	
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 32781 Date June 28. 1880

Machine. - Reel.

Turns 46 Cor. + Depth 47 fms

Shot or lead 28 lb

Bottom fine gy. S.

Bottom temperature 38.8

No. of Thermometer 1322 Cor.

Corrected temperature 38.8

Air 42 Surface 42 Drift. 3 mi 1/4

Trawl or dredge or tangles 1300

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
9.50.10	10.52.00	0	10.50.00	44.45
10.30	10.17.32	100	20.45	41.30
		200	24.12	10.40.10
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Put over 1 fish line in a pair. we do 9.59
Swat 10.16 H. H.
Calch. 3 line line

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Max			
50				
100	Prof			
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1/2 bu. Sponge Large Cans
 Lard Hot Licks Basket Chain
 Alligator Licks Sculpin Flounder

No. 25 Date June 20. 1896

Tanner Machine. 0 Reel.

Turns 100 Cor. + 0 Depth 40 fms

Shot or lead 28 lb

Bottom Fine gy. s. + g.

Bottom temperature 38.0

No. of Thermometer 63902 Cor. -

Corrected temperature 38.0

Air 43 Surface 45 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

1.58.00 12.00.00

59 00 11.57.01

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

See over 10 fms. - 12.14
12.14 4 fms. - 12.14

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	<i>Code measured</i>			
50				
100	<i>Max</i>	<i>16</i>	<i>32</i>	
200	<i>Min</i>	<i>3</i>	<i>19</i>	
300	<i>avg</i>	<i>8 1/2</i>	<i>25</i>	
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *3247* Date *June 28/00*
Tanner Machine. Reel.

Turns — Cor. + — Depth *41*

Shot or lead

Bottom *fine gy*

Bottom temperature *37.0*

No. of Thermometer *63902* Cor. —

Corrected temperature *37.0*

Air *43* Surface *41* Drift. *1/2 m* *N x E 1/2 E*

Trawl or dredge or tangles *Agassiz beam*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

1-42-0

1-43-0

0

2-06-0

29-0

100

12-0

2-25-0

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

*Reel was 9 fms down -
 9 coils - 8 fms
 4 coils - 4 fms*

*1-42-0
 1-43-0*

8711.1

No. 2406 *Ny* - Date *Jan 28 '90*
Vanner Machine. Reel.

Turns *41* Cor. + *-* Depth *41*

Shot or lead *28 lbs*

Bottom *fine gy S*

Bottom temperature *39°*

No. of Thermometer *63902* Cor. *-*

Corrected temperature *39°*

Air *44°* Surface *45°* Drift.

Trawl or dredge or tangles:

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
<i>5-46-30</i>	<i>3-47.30</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

5-46-30
5-47-00
5-47-30
5-48-00
5-48-30
5-49-00
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5-50-30
5-51-00
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7-26-00
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	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3280 *DS* Date June 25th 1890

Tanner Machine. — Reel.

Turns 36 Cor. + — Depth 36 fms.

Shot or lead 28 lbs.

Bottom fine g.

Bottom temperature 41

No. of Thermometer 63902 Cor. —

Corrected temperature 41

Air 44° Surface 45° Drift. $\frac{3}{4}$ mi E. S. E.

Trawl or dredge or tangles large beam.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

5.15.15

16.30

0

5.33.30

52.30

15.35

5.15.45

70

37.30

5.48.50

200

note *25*

300

5.53.30

13.45

400

58.20

6.10

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

11 June 25 5.32. Max. Co. 1000.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
Trawl did not	3900	do. (see record)
reach bottom -	4000	do. (see record)

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

2 qts. Sponge. 1 do. Shells.
 Star fishes, 3 sps. Small Crabs
 Hermit Crabs, 1 qt. New York

H. C. 1891

No. 2407 Hyd. Date June 28th 1891.
 Tanner. Machine. — Reel.

Turns 47 Cor. + 1 Depth 48 fms.
 Shot or lead 28 lbs.

Bottom fm. gy. s. bk. sb.

Bottom temperature 38.2°

No. of Thermometer 5402 Cor. —

Corrected temperature 38.2°

Air 42° Surface 45° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7.12.25	14.00	0
12.50	7.13.05	100
		200
		300
		400
		500
		600
		700
		800
		900
		1000
		1100
		1200
		1300
		1400
		1500
		1600
		1700
		1800
		1900
		2000
		2100
		2200
		2300
		2400

11 fms. over the p.d.
 Saw at 7.23
 Catch: — 4 Cod fish.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	5 lbs.	Mini	22	4.5
50	20 lbs.	May	25	4.5
100	9 1/2 lbs.	Aw.	20	4.5
200				
300	2	Males	2	Females
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

3 hand lines carried away.

No. 3281 JV

Date _____

Tanner Machine. (Reel.

Turns 36 Cor. + 0

Depth 36 fms

Shot or lead 28 lbs

Bottom

Bottom temperature

No. of Thermometer 63982 Cor.

Corrected temperature

Air. 42° Surface 45° Drift, 3 mi

~~Trawl or dredge or tangles~~ ¹⁰ large beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		P. 11 DOWN.	P. 11 UP.
		0	8.58.53	25.00
		100	7 16.25	8 31.25
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

P. C. 667

No. 2408 Key Date June 28 1899
 Tanner Machine, Reel.

Turns 21 Cor. + 0 Depth 21 fm

Shot or lead 28 lbs.

Bottom P.

Bottom temperature 43

No. of Thermometer 63902 Cor. -

Corrected temperature 43

Air 42 Surface 45 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
P. 74 10.42.25	43.30	0		
4247	10.42.50	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2100 Date June 28 90
Tanner Machine. Reel.

Turns 21 Cor. + 0 Depth 21 fms

Shot or lead 28 lb

Bottom gy. s

Bottom temperature 11.55

No. of Thermometer 6392 Cor. -

Corrected temperature 43.2

Air 42° Surface 44° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
P.M. DOWN.	P.M. UP.		DOWN.	UP.
11 58.30	58.51	0		
58.50	11 58.52	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *2110* Date *June 29/90**Tanner* Machine. Reel.Turns *30* Cor. + *—* Depth *30*Shot or lead *28 lbs.*Bottom *fk. S. & G.*Bottom temperature *41*No. of Thermometer *330* Cor.Corrected temperature *41.2*Air *43°* Surface *46°* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

*1-35-0**1-36-0*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Trawl or dredge or tangles

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

Cod SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	5 fbs			
50	15 fbs	Max.	33	mi.
100	9 3/4 fbs	Aver.	28	mi.
200				
300	1 Male -		5	Females -
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

N.C. 8.

No. *3282* Dr Date *June 29th 1890*

Tanner Machine. - Reel.

Turns *52* Cor. + *1* Depth *53 fms.*

~~Shot or lead~~ *28 lbs.*

Bottom *fine S. r. gn. M.*

Bottom temperature *38.2°*

No. of Thermometer *63902* Cor. -

Corrected temperature *38.2°*

Air *42°* Surface *50°* Drift. *3° N.*

Trawl or dredge or tangles *none*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<i>4.36.15</i>	<i>38.00</i>	<i>0</i>	<i>5.04.15</i>	<i>30.00</i>
<i>36.40</i>	<i>4.36.31</i>	<i>100</i>	<i>5.04.40</i>	<i>5.04.40</i>
		<i>200</i>		
		<i>300</i>		
		<i>400</i>		
		<i>500</i>		
		<i>600</i>		
		<i>700</i>		
		<i>800</i>		
		<i>900</i>		
		<i>1000</i>		
		<i>1100</i>		
		<i>1200</i>		
		<i>1300</i>		
		<i>1400</i>		
		<i>1500</i>		
		<i>1600</i>		
		<i>1700</i>		
		<i>1800</i>		
		<i>1900</i>		
		<i>2000</i>		
		<i>2100</i>		
		<i>2200</i>		
		<i>2300</i>		
		<i>2400</i>		

*5 fms. down on port side
in at 4.55.
Hatched! Col. fish.*

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

Oct 7. SERIAL TEMPERATURE

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	18 fbs.		35"	
50				
100	1			
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Hydroids

1 day...
1 ph...
Worms
Small...
2 ph...
many...
many small fish...

No. 2412 *Hyd.* Date *Jan 11 1881*
Tanner Machine. Reel.

Turns 45 Cor. + 1 Depth 46 fms.

Shot or lead 28 lbs.

Bottom *fine gy. S.*

Bottom temperature 38.8°

No. of Thermometer 632 Cor. -

Corrected temperature 38.1°

Air 44° Surface 45° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

6.34.45 37.00

6.35.05 6.35.30

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3283 Date
 Jamier Machine. Reel.

Turns 38 Cor. + 1 Depth 3

~~Shot or lead~~ 28 lbs

Bottom fine gy. c.

Bottom temperature 40.3

No. of Thermometer 63402 Cor.

Corrected temperature 40.2

Air 41 Surface 64 Drift. 1 mi ESE

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

O

100

/ 200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
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3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Good	7		
50	Max	18 1/2	3.3	
100	Min	3	20	
200	Avg.	13	30 1/2	
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

2 Bu. Sponges Basket Slaw
Crabs King and white
Ground S. Sea Cucumbers
Barnacles etc.

No. 2413 Hy. ^a Date June 29, 1890

Tanner Machine. (Reel. -)

Turns 35 Cor. + 0 Depth 35 fms

Shot or lead 28 lb

Bottom fine gy. S. bk. Sp

Bottom temperature 41

No. of Thermometer 63902 Cor. -

Corrected temperature 41.2

Air 42 Surface 44 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

9 59.05 10 00.00

159.35 9 59.32

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

11.00 9 hours
 at 10.00
 20 at 11.27
 29

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Max	18	0.5	33
50	Min	3	20	
100	Avg	15 1/3	32	"
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *3282* Date *June 29 1896*
Tanner Machine. Reel.

Turns *25* Cor. *0* Depth *25 fms*

Shot or lead *28 lbs*

Bottom *fine G.*

Bottom temperature *43.5*

No. of Thermometer *63902* Cor. *-*

Corrected temperature *43.5*

Air *44* Surface *47* Drift *1 1/2 m E x S*

Trawl or dredge or tangles *Beam*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

*11.51.50**11.52.30**0**12.15.0**40**11.52.05**11.52.06**100**22.0**15.56**200**300**400**500**600**700**800**900**1000**1100**1200**1300**1400**1500**1600**1700**1800**1900**2000**2100**2200**2300**2400*

at 11.52.

Rec'd over
 at 12.15
 Calcd: 214

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Max	27	lb	39
50	Min	3	lb	19
100	Avg	11	lb	29 in
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Shrimp. *Penaeus* *Stimpsoni*
 Baited with crabs.
 Spent 1000

Trawl or dredge or tangles :—

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3-11-0		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

567

No. *2415* New Date *July 11 1897*
 Reel *Machine* Reel. *—*
 Turns *—* Cor. *+* Depth *8 1/2*
 Shot or lead *12 lb*
 Bottom *fine gy S.*
 Bottom temperature *—*
 No. of Thermometer *—* Cor. *—*
 Corrected temperature *—*
 Air *50* Surface *54* Drift. *—*
 Trawl or dredge or tangles *—*

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
<i>4 30.00</i>	<i>4 31.00</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Put over 4 31
Swat 4 46
Catch: nil

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Trawl or dredge or tangles.

1. I never had time for a circle from

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 241 of Key Date July 16. 1890
Grand Read Machine. (Reel.

Turns — Cor. + — Depth 12 fms

Shot or lead 12 lb

Bottom *br g*

Bottom temperature

No. of Thermometer _____ Cor. _____

Corrected temperature

Air 48 Surface 49 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
6.57.00	6.58.00	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2418 Hyd. Date July 16th 1890
Sunner Machine. — Reel.

Turns 28 Cor. + — Depth 28 fms

Shot or lead 28 lbs.

Bottom YH

Bottom temperature 44-

No. of Thermometer 63902 Cor. —

Corrected temperature 44-

Air 47° Surface 48° Drift.

Trawl or dredge or tangles.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

45

57.30

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2419 *Ny d* Date *Aug 16th 1891*
Tanner Machine. — Reel.

Turns 37 Cor. + — Depth *317 m*

Shot or lead 28 lbs

Bottom *fine gy. s.*

Bottom temperature — *did not report*

No. of Thermometer 63902 Cor. —

Corrected temperature —

Air 45° Surface 47° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10.35.00	36.30	0		
35.20	10.36.00	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

Wire bailed at 30 fms.
 Expended 39 lbs. wire.
 Nothing else lost.

REMARKS.

No. 21120 Date

Machine. Reel.

Turns 38 Cor. + 0 Depth 38 fms.

Shot or lead 28 lbs

Bottom fine gy. S

Bottom temperature 41

No. of Thermometer 63902 Cor. -

Corrected temperature 41°

Air 45 Surface 46 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

12.16.55

18

0

17.50

12.17.55

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3421 Date July 1, 1891

Machine. Reel.

Turns Cor. + 0 Depth 28Shot or lead 28 lbBottom fine g. s.Bottom temperature 40.5No. of Thermometer 63902 Cor. -Corrected temperature 40.5Air 44 Surface 46 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

<u>2.06.13</u>	<u>08.00</u>	<u>0</u>	
<u>07.10</u>	<u>2.07.11</u>	<u>100</u>	
		<u>200</u>	
		<u>300</u>	
		<u>400</u>	
		<u>500</u>	
		<u>600</u>	
		<u>700</u>	
		<u>800</u>	
		<u>900</u>	
		<u>1000</u>	
		<u>1100</u>	
		<u>1200</u>	
		<u>1300</u>	
		<u>1400</u>	
		<u>1500</u>	
		<u>1600</u>	
		<u>1700</u>	
		<u>1800</u>	
		<u>1900</u>	
		<u>2000</u>	
		<u>2100</u>	
		<u>2200</u>	
		<u>2300</u>	
		<u>2400</u>	

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

567.

No. 2422 Date July 1 1891
 Machine. Reel.
 Turns 40 Cor. + 0 Depth 40 fms
 Shot or lead 28 lb
 Bottom fine gy. S
 Bottom temperature 40
 No. of Thermometer 63902 Cor. -
 Corrected temperature 40
 Air 44 Surface 46 Drift. -
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.29.50	31.05	0		
30.15	3.30.17	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3285 W. Date July 17th 1890.
Tanner Machine. Reel.

Turns 35 Cor. + — Depth 35 fms.

Shot or lead 28 lbs.

Bottom gy. s. bk. sp.

Bottom temperature 41

No. of Thermometer 63902 Cor. —

Corrected temperature 41°

Air 43° Surface 44° Drift. 6. S. E. 1/10'

Trawl or dredge or tangles large beam.

SOUNDING WIRE.			DREDGE ROPE.	
DOWN.	UP.	TURNS.	DOWN.	UP.
5.09.30	11.00	0	5.24.00	47.00
09.45.	5.09.55	100	28.35	5.43.00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Hand lines
at 5.20.
Catching net

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1 Small Crab. 2. obs. ...
 3. obs. ...
 4. obs. ...
 5. obs. ...
 6. obs. ...
 7. obs. ...
 8. obs. ...
 9. obs. ...
 10. obs. ...
 11. obs. ...
 12. obs. ...
 13. obs. ...
 14. obs. ...
 15. obs. ...
 16. obs. ...
 17. obs. ...
 18. obs. ...
 19. obs. ...
 20. obs. ...
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 22. obs. ...
 23. obs. ...
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 25. obs. ...
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 32. obs. ...
 33. obs. ...
 34. obs. ...
 35. obs. ...
 36. obs. ...
 37. obs. ...
 38. obs. ...
 39. obs. ...
 40. obs. ...
 41. obs. ...
 42. obs. ...
 43. obs. ...
 44. obs. ...
 45. obs. ...
 46. obs. ...
 47. obs. ...
 48. obs. ...
 49. obs. ...
 50. obs. ...
 51. obs. ...
 52. obs. ...
 53. obs. ...
 54. obs. ...
 55. obs. ...
 56. obs. ...
 57. obs. ...
 58. obs. ...
 59. obs. ...
 60. obs. ...
 61. obs. ...
 62. obs. ...
 63. obs. ...
 64. obs. ...
 65. obs. ...
 66. obs. ...
 67. obs. ...
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 71. obs. ...
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 81. obs. ...
 82. obs. ...
 83. obs. ...
 84. obs. ...
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 87. obs. ...
 88. obs. ...
 89. obs. ...
 90. obs. ...
 91. obs. ...
 92. obs. ...
 93. obs. ...
 94. obs. ...
 95. obs. ...
 96. obs. ...
 97. obs. ...
 98. obs. ...
 99. obs. ...
 100. obs. ...

No. 3286
J & B

No. 3286 Date July 17 1891
Tanner Machine. — Reel.

Turns 37 Cor. + — Depth 37 fms.
Shot or lead 28 lbs.

Bottom fm. gy. s. sh. & G.

Bottom temperature 41.5°

No. of Thermometer 63902 Cor. —

Corrected temperature 41.5°

Air — Surface — Drift E. S. E. 1/2

Trawl or dredge or tangles large beam.

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

7.14.15

13.30

0

7.14.20

35.30

7.14.45

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Hand lines over stbd side at 7.15
In at 7.30
Catch. —

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

Cod.

SERIAL TEMPERATURE:

716 10 100

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	10 lbs. Min.		29	<u>iii</u>
50	21 lbs. Max.		35	<u>iii</u>
100	14 lbs. Average.		31 1/2	<u>iii</u>
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1 lb. ...
 1/2 bu. Star fish 2' 9b. Shells
 1/2 bu. Wax fish
 1 doz. ...
 1 doz. ...

No. 3187 Date 11/1/1919

Tanner Machine. - (Reel. 0) -

Turns 30 Cor. + 0 Depth 36 fms.

Shut or lead

Bottom crs. blk. S

Bottom temperature 42°

No. of Thermometer 63902 Cor. -

Corrected temperature 4.22

Air ^{Under} ^{and} ⁶ Surface 46° Drift. S 5 1/2 W 1 mi.

Trawl or dredge or tangles 6000 1000

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
0 16 15	17 30	0	10 01 22	
10 18		90		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1/2 doz Medusa Two small flounder
 ascideans 2 kinds Alligator fish
 Starfish 2 kinds Small eel
 Ba. ...
 Shells. Shrimps
 1 Holothurian

Trawl or dredge or tangles None

1. Hovey's Thallium ore	1.02	1.02	1.02
2. Th. ore	1.02	1.02	1.02

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1/2 Star fish
a few shrimp
dry. E. L. L. L. L.
few small. H. H. H. H. H.

No. *2415* Date *July 17/90*
Hand Loom Machine. Reel.

Turns — Cor. + — Depth *15*

Shot or lead *12 lbs.*

Bottom *fk S + P*

Bottom temperature —

No. of Thermometer — Cor. —

Corrected temperature —

Air *44°* Surface *45°* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1-20-0</i>		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

5671

No. 5424 Date July 17/90

Tanner Machine.

Reel.

Turns 30 Cor. + 0 Depth 30

Shot or lead 38 lbs.

Bottom fine gy S

Bottom temperature

No. of Thermometer Cor.

Corrected temperature

Air 43 Surface 45 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

3-08-0 3-08-0

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

Put overg. Trawl lines.
calat = 33 crossfish

Don't 3-10-0
3-21-0

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

Date

July 1897

Sanner Machine. — Reel.

Turns

5

Cor. +

Depth

5 fms.

~~Shot or lead~~ 28 lbs.

Bottom crs. bk. s.

Bottom temperature

No. of Thermometer

6395

Cor. —

Corrected temperature

Air

42°

Surface

42°

Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

4.55.30

56.45

0

55.45

4.55.55

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

9 hands under over on side at 4
 In at 5:15
 Catch — 9 cold fish

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

201 SERIAL TEMPERATURE. *Mea*

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	25 fbs.	711 average	36 in	
50	5 fbs.	711 min	24 in	
100	12 fbs.	average	30 in	
200				
300	8 females		1 male	
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2426 Date

Machine. Reel.

Turns Cor. Depth

Shot or lead 28 lbs.

Bottom gy. s.

Bottom temperature 38°

No. of Thermometer 63902 Cor. —

Corrected temperature 38°

Air 42° Surface 43° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

58.30

0

6.57.15

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

10 Haul line over post at 7.00
 In at 7.15
 9 Ctd fish.
 1 3' boulder
 2 Pollock

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE, *Neptune*

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	<i>5 fms.</i>	<i>Min.</i>		<i>22 °</i>
50	<i>13 fms.</i>	<i>Max.</i>		<i>37 °</i>
100	<i>9 fms.</i>	<i>Average</i>		<i>27 1/2 °</i>
200				
300				
400	<i>7 fms.</i>		<i>2</i>	<i>Min.</i>
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2427 *Hy* Date *July 17, 1891*

Tanner Machine. Reel.

Turns *39* Cor. + *0* Depth *39*

Shot or lead *28 lb*

Bottom *bk. S*

Bottom temperature *did not register*

No. of Thermometer *6595* Cor. *-*

Corrected temperature *-*

Air *41* Surface *43* Drift. *-*

Trawl or dredge or tangles *-*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

18.511

19.22

8.574

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2002 Date Jan 11 1881
 Machine. 1 Reel. 1
 Turns 38 Cor. + 0 Depth 38 fms
 Shot or lead 28 lb
 Bottom bk. S.
 Bottom temperature 38
 No. of Thermometer 63802 Cor. -
 Corrected temperature 38°
 Air 41 Surface 43 Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

P. M. P.

DREDGE ROPE.

DOWN.

UP.

TURNS.

10.25.10

11.05.00

0

20.00.00

11.05.00

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *2217* Date *Jan 11**Jan* Machine. — Reel. —Turns *34* Cor. + *0* Depth *34 fms*Shot or lead *28 lb*Bottom *fine sand*Bottom temperature *11.5*No. of Thermometer *63902* Cor. —Corrected temperature *38.5*Air *41* Surface *43* Drift.

Trawl or dredge or tangles.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No.

Date

Tanner Machine. (Reel.

Turns 34 Cor. + 0 Depth 34

Shot or lead 28

Bottom gy S

Bottom temperature no limit

No. of Thermometer - Cor. -

Corrected temperature -

Air 40° Surface 42° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
1-34-0	1-35-0	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *3114* Date *July 18/90*

1/1 Machine. Reel.

Turns *30* Cor. + *0* Depth *30*

Shot or lead *28 lbs*

Bottom *fk b.*

Bottom temperature *41°*

No. of Thermometer *65902* Cor. -

Corrected temperature *41°*

Air *40°* Surface *43°* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>3-10-0</i>	<i>3-11-0</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 328 Date

Machine. Reel.

Turns Cor. + Depth 16 fms.

Shot or lead 12 lbs.

Bottom Gk. S.

Bottom temperature

No. of Thermometer Cor. —

Corrected temperature

Air 42° Surface 45° Drift. 1 mi. E. + 2 mi. S.

Trawl or dredge or tangles Large beam trawl

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

H. 45.55

H. 46.55

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25		Minim ^{um}	28	
50			32	
100			2 1/2	
200				
300				
400	2	71		Remains
500				
600				
700				
800				
900				
1000				

REMARKS.

1 ft. Sea
2 ft. Worms 2 qts. Small Clams
1 qt. Small Crabs. Shells with Hermito.
5' Small Crabs
7' Small Crabs
8' Small Crabs

No. *249* Date *July 10 1881*
Haug Machine. Reel.
 Turns Cor. Depth *1514*
 Shot or lead *12 lbs.*
 Bottom *gy. s. & sh.*
 Bottom temperature *11.0*
 No. of Thermometer Cor.
 Corrected temperature
 Air *72* Surface *74* Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>6. 43.00</i>	<i>6. 44.00</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1867.

No. *1* Date *Jan 1*Hand *Leak* Machine. Reel.Turns *—* Cor. + *—* Depth *16 fms*Shot or lead *12 lbs*Bottom *gy. s. y*Bottom temperature *none taken*No. of Thermometer *—* Cor. *—*

Corrected temperature

Air *43°* Surface *47°* Drift. *S. 1. E. 1/2*Trawl or dredge or tangles *none*

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

7.27.30

34.00

10.00 7.32.15

at 6.5

at 7.1

at 7.2

over

under

under

under

7.05

7.10

7.15

7.20

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Hydrate
20
few shells

No. *1132* Date *Oct 18 1881*
Tanner Machine. (Reel. *1*)

Turns *31* Cor. + *0* Depth *31 fms*

Shot or lead *28 lbs*

Bottom *gy. S. & G.*

Bottom temperature *40°*

No. of Thermometer *63902* Cor. -

Corrected temperature *40°*

Air *42°* Surface *46°* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN. UP. TURNS. DOWN. UP.

20.10
11.20.53

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400

10 fms 11.20.53
20 fms 11.21.45
30 fms 11.22.37
40 fms 11.23.29
50 fms 11.24.21
60 fms 11.25.13
70 fms 11.26.05
80 fms 11.26.57
90 fms 11.27.49
100 fms 11.28.41
110 fms 11.29.33
120 fms 11.30.25
130 fms 11.31.17
140 fms 11.32.09
150 fms 11.33.01
160 fms 11.33.53
170 fms 11.34.45
180 fms 11.35.37
190 fms 11.36.29
200 fms 11.37.21
210 fms 11.38.13
220 fms 11.39.05
230 fms 11.39.57
240 fms 11.40.49

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	6 fbs.	Minim ^{um}	23	
50	16 fbs.	Maxim ^{um}	31	
100	8 fbs.	Average	29	
200				
300	18	Males	21	Females
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3292 Dr

Date

July 18th 1896

Tanner Machine. — Reel.

Turns 32 Cor. + —

Depth 32 fms.

Shot or lead 28 lbs.

Bottom H. S. & S.

Bottom temperature did not change.

No. of Thermometer 63902 Cor. —

Corrected temperature

Air 14.0°

Surface 14.5°

Drift. 8/10 N. N. W.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

		0	1.3	1.56.30
32.55	1.28	100	4.3.4	1.56.30
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

1.20

H

H

H

H

H

H

H

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE, 11 - 6

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	8.1	Minim ^m	2.0	
50	7.2	Maxim	0.1	
100	12.4	Long	0.1	
200				
300	17	Males.	1.1	15.9
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

com Chelb-

8 other small Crabs

Hydroidea

near fishes.

etrophyton -

2 sps. Shrimps

1 gator fish

Paul Luis

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
21.10	22.10	0		
21.25	3.21.33	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE, *Ther. ...*

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	6 fbs.	Minim ^m	23	<u>m</u>
50	17 fbs.	Maxim ^m	36	-
100	11 fbs.	Average	28½	<u>m</u>
200				
300	0 fbs.		7	^m <u>temp.</u>
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Date _____

Tanner Machine. (Reel)

Turns 30 Cor. + 0 Depth 30 fms.

~~Shot or lead~~ 28.66

Bottom fine g.s.

Bottom temperature 40.0°

No. of Thermometer 63702 Cor. —

Corrected temperature 40°

<i>Air</i>	<i>Surface</i>	<i>Drift.</i>
------------	----------------	---------------

~~Trawl or dredge or tangles~~ *Large beam*

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
5-06.40	07.55	0	5.26.30	50.10
07.05	5.07.10	100	31.15	5.48.10
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE, 11

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	9 1/2 lbs.	Minim ^m	26	<u>m</u>
50	14 lbs.	Maxim ^m	31	<u>m</u>
100	8 lbs.	Average	29	<u>m</u>
200				
300			5	Remainder
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Pk Plato 3-kind
1 Pk 1/2 lb
1 Pk 8/1000 g

Remainder

No. 2454 Date July 18, 1861
Tanner Machine. Reel.

Turns 31 Cor. + 0 Depth 3

~~Shot or lead~~

Bottom fine G

Bottom temperature 46

No. of Thermometer 63402 Cor. -

Corrected temperature 40²

Air 43⁰ Surface 44 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
" 02.20	04.00	0		
02.30	7 00 30	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Max	19 lb	54	
50		" "	23	
100		" lb		
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3294. 91 Date July 18 1890.
Tanner Machine. - Reel.

Turns 10 Cor. + Depth 30 fms.

~~Shot or lead~~ 28 lbs.

Bottom bk. G.

Bottom temperature 41

No. of Thermometer 63902 Cor. —

Corrected temperature t_1 (°C)

<i>Air</i>	<i>Surface</i>	<i>Drift.</i>	<i>E. J. E.</i>
------------	----------------	---------------	-----------------

Trawl or dredge or tangles large beam

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8.41.00	42.00	0	8.53.00	18.05
41.20	8.41.30	100	57.35	9.14.10
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	11 fbs	715000	28	
50	12 fbs	715000	29	
100	11 1/2 fbs. Average		28 1/2	
200				
300	1	Male	1	Female.
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

2 sps. Star fish
 3 w' shells
 1
 1
 1

No. 2435 Date July 18th 1890
 Tanner Machine. — Reel.

Turns 25 Cor. — Depth 25 fms.

Shot or lead 28 lbs.

Bottom gy. s.

Bottom temperature 41.6°

No. of Thermometer 63902 Cor. —

Corrected temperature 41.6

Air 41° Surface 43° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
10. 39.45	40.25	0		
40.00	10. 40.05	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 2436 Hy^d Date Aug 18 1881

Hand lead Machine. — Reel.

Turns 20 Cor. + — Depth 20 fms~~Shot or lead~~ 12 lbsBottom Sandy.Bottom temperature none taken

No. of Thermometer — Cor.

Corrected temperature —

Air 41° Surface 43° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

11.55.111.28.30

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *1000* *Hyd* Date *July 18th 1890.*
Hand lead Machine. Reel.

Turns *17* Cor. + *—* Depth *17 fms.*

Shot or lead *12 lbs.*

Bottom *Sandy.*

Bottom temperature *none taken*

No. of Thermometer *—* Cor. *—*

Corrected temperature *—*

Air *41°* Surface *44°* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1607

No. *2136* Date *July 19th 1880*

Hand *100* Machine. — Reel. *1*

Turns *12 3/4* Cor. + — Depth *12 3/4 fms*

Shot or lead *12 lbs.*

Bottom *vk. S.*

Bottom temperature *none taken*

No. of Thermometer — Cor. —

Corrected temperature

Air *41°* Surface *44°* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

12 31.50 *12 3*

0

171

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

11 fms
10 fms
9 fms
8 fms
7 fms
6 fms
5 fms
4 fms
3 fms
2 fms
1 fms

Reddish

Reddish

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3295 Date 10

Machine. Reel.

Turns Cor. 1

Depth 11 1/2 fms~~Shot or lead~~ 12 lbBottom fine g. s.

Bottom temperature

No. of Thermometer — Cor. —

Corrected temperature —

Air 41 Surface 50 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1000 2500 3000 3500 4000

No. 16 Date Jan 17 1881
Tanner Machine. — Reel.

Turns 24 Cor. + — Depth 24 fms
~~Shot or lead~~ 28 lbs.

Bottom gy. s. bk. sh

Bottom temperature 43°

No. of Thermometer 63902 Cor. —

Corrected temperature 43°

Air 45° Surface 47° Drift. 1.3 W 1/4 S

Trawl or dredge or tangles Large beam

SOUNDING WIRE.

DREDGE ROPE.

DOWN. UP. TURNS. DOWN. UP.

12.16.46	18.00	0.	12.33.45	57.00
17.00	12.17.10	80 100	37.10 1'	
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

8 fms over 100 fms
 In at 12.30
 Catch: 22 Rods

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

Cod

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	40	11	28	
50	18	4	33	
100	12	12	31	
200				
300	10	Malco	12	Temp
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1 pk. Shells in
1 1/2 bu. (2250) Star fish.
Flounders, (2)
Atlantic cod
Coryphæna

Shot or lead 28 lbs.

Bottom temperature 41.5°

No. of Thermometer 6 Cor. -

Corrected temperature 41.5°

Air 46° Surface Drift. 1st 7. E 3/47

~~Trawl or dredge or tangles~~ L.C.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
3.03.45	05.00	0	3.75.30	11.20
4.10	3.04.25	100	31.10	3.45.15
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	6 fms.	Maxim	26	4
50	20 fms.	Maxim	33	in
100	12 fms.	Average	30	in
200				
300	16	Maxim	21	20 miles
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

u. Mar. foot. Albinus
A.
Lamnet deced. 1. 1. 1. 1.
Ascidians.

567. NTD

No. 2439 Date July 19th

Tanner Machine. Reel

Turns 24 Cor. + 0 Depth 24 fms

Shot or lead: 28 lb

Bottom gy. s.

Bottom temperature 43.1

No. of Thermometer 63902 Cor. -

Corrected temperature 43.5

Air 45 Surface 48 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
	<u>5:53.02</u>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

No. 3298 *SV* Date *July 19th 1897*
Tanner Machine. - Reel. -

Turns *20* Cor. + *0* Depth *20*

Shot or lead *28 lb*

Bottom *fine gy. s.*

Bottom temperature

No. of Thermometer *6346* Cor. -

Corrected temperature *43.8*

Air Surface *48* Drift. *1.7 S 6 x S*

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

8.11.15	12.35	0	8.30.00	52.00
145	11.50	71	3.5.20	44.00
		100		
		200		
		300	5.52.00	05.00
		400	56.00	9.05.30
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

10 fathoms
8.27
21 fathoms
1 fathom

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Max	17 lb	35	
50		9	20	
100	Avg	12	29	
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1 lb shrimp
 1 lb starfish
 2 lb. clams
 1 lb. mussels

No. *21440* *Hq* Date *July 19th 1881*
Machine. — *Reel.*

Turns — Cor. + — Depth *13*

Shot or lead *12 lbs*

Bottom *fine gy. s*

Bottom temperature

No. of Thermometer Cor.

Corrected temperature

Air *46°* Surface Drift.

Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>1 1 1 1</i>	<i>1 1 1 1</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
<i>3 2 1</i>		2300		
		2400		

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

567.

No. 2441 ¹⁴ Date ^{Jan 11}
Tanner Machine. — Reel.

Turns 20 Cor. + 0 Depth 20 fms.

Shot or lead 28-lb

Bottom gy. S. M. op

Bottom temperature ^{V.V} 40.4°

No. of Thermometer 63402 Cor. —

Corrected temperature 40.4°

Air ^{11.2} Surface Drift.

Trawl or dredge or tangles.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
6. 38.50	40.00	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	12 lbs.	Minim ^m	31 ⁱⁿ	
50	12 lbs.	Maxim ^m	32 ⁱⁿ	
100			31 3/4	
200				
300	3	11 lbs.	0	Remainder
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. 3299 Date Jan
Tanner Machine. Reel.

Turns 20 Cor. + 0 Depth 20 fms

Shot or lead 28

Bottom fine gr. S. gl. Sp.

Bottom temperature 44

No. of Thermometer 63902 Cor. -

Corrected temperature 44

Air Surface Drift..

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

12

2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

(45) SERIAL TEMPERATURE.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	Max	15	33	
50	Min	9	29	
100		12 1/4	50 1/2 in	
200				
300	Temp	8	Male	8
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

Alpines Warm
alligator fish

No. 2442 Hyd Date July
Tanner Machine. - Reel.

Turns 21 Cor. + - Depth 21

Shot or lead 28 lbs.

Bottom bk. S

Bottom temperature 44.2

No. of Thermometer 6340 Cor. -

Corrected temperature 44.2

Air 51° Surface 55° Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

12.18.45

20.00

0

19.05

12.19.15

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

20

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

Cont

SERIAL TEMPERATURE

Measurements

DEPTH.	TEMP.	NO. OF THER. .	COR.	COR. TEMP.
25	7 1/2	Minim ^m	26	
50	2 1/2	Maxim ^m	26	
100	13 1/2	Storage	26	
200				
300	10	Maxim	10	3000
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

667

No. 2443 Hyd. Date July 20th
 Tanner Machine. - Reel.
 Turns 23 Cor. + - Depth 23 fms
 Shot or lead 28-lbs.

Bottom
 Bottom temperature
 No. of Thermometer Cor. -
 Corrected temperature 45°
 Air 49° Surface 55° Drift.
 Trawl or dredge or tangles

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
2.34.00	35.00	0		
34.15	2.34.20	100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

2.34.15
 2.34.20
 2.34.25
 2.34.30
 2.34.35
 2.34.40
 2.34.45
 2.34.50
 2.34.55
 2.35.00
 2.35.05
 2.35.10
 2.35.15
 2.35.20
 2.35.25
 2.35.30
 2.35.35
 2.35.40
 2.35.45
 2.35.50
 2.35.55
 2.36.00
 2.36.05
 2.36.10
 2.36.15
 2.36.20
 2.36.25
 2.36.30
 2.36.35
 2.36.40
 2.36.45
 2.36.50
 2.36.55
 2.37.00
 2.37.05
 2.37.10
 2.37.15
 2.37.20
 2.37.25
 2.37.30
 2.37.35
 2.37.40
 2.37.45
 2.37.50
 2.37.55
 2.38.00
 2.38.05
 2.38.10
 2.38.15
 2.38.20
 2.38.25
 2.38.30
 2.38.35
 2.38.40
 2.38.45
 2.38.50
 2.38.55
 2.39.00
 2.39.05
 2.39.10
 2.39.15
 2.39.20
 2.39.25
 2.39.30
 2.39.35
 2.39.40
 2.39.45
 2.39.50
 2.39.55
 2.40.00
 2.40.05
 2.40.10
 2.40.15
 2.40.20
 2.40.25
 2.40.30
 2.40.35
 2.40.40
 2.40.45
 2.40.50
 2.40.55
 2.41.00
 2.41.05
 2.41.10
 2.41.15
 2.41.20
 2.41.25
 2.41.30
 2.41.35
 2.41.40
 2.41.45
 2.41.50
 2.41.55
 2.42.00
 2.42.05
 2.42.10
 2.42.15
 2.42.20
 2.42.25
 2.42.30
 2.42.35
 2.42.40
 2.42.45
 2.42.50
 2.42.55
 2.43.00
 2.43.05
 2.43.10
 2.43.15
 2.43.20
 2.43.25
 2.43.30
 2.43.35
 2.43.40
 2.43.45
 2.43.50
 2.43.55
 2.44.00
 2.44.05
 2.44.10
 2.44.15
 2.44.20
 2.44.25
 2.44.30
 2.44.35
 2.44.40
 2.44.45
 2.44.50
 2.44.55
 2.45.00
 2.45.05
 2.45.10
 2.45.15
 2.45.20
 2.45.25
 2.45.30
 2.45.35
 2.45.40
 2.45.45
 2.45.50
 2.45.55
 2.46.00
 2.46.05
 2.46.10
 2.46.15
 2.46.20
 2.46.25
 2.46.30
 2.46.35
 2.46.40
 2.46.45
 2.46.50
 2.46.55
 2.47.00
 2.47.05
 2.47.10
 2.47.15
 2.47.20
 2.47.25
 2.47.30
 2.47.35
 2.47.40
 2.47.45
 2.47.50
 2.47.55
 2.48.00
 2.48.05
 2.48.10
 2.48.15
 2.48.20
 2.48.25
 2.48.30
 2.48.35
 2.48.40
 2.48.45
 2.48.50
 2.48.55
 2.49.00
 2.49.05
 2.49.10
 2.49.15
 2.49.20
 2.49.25
 2.49.30
 2.49.35
 2.49.40
 2.49.45
 2.49.50
 2.49.55
 2.50.00
 2.50.05
 2.50.10
 2.50.15
 2.50.20
 2.50.25
 2.50.30
 2.50.35
 2.50.40
 2.50.45
 2.50.50
 2.50.55
 2.51.00
 2.51.05
 2.51.10
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2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000

SERIAL TEMPERATURE

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	5	Minimum	22	
50	10	Maximum	31	
100	7	Average	2	
200				
300	3	Males.	1	
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

No. *3300* Date *July 20. 1890*
Lucas Machine. (Reel.)

Turns *15* Cor. + *0* Depth *15 fms*

~~Shot or lead~~ *28 lb*

Bottom *P.*

Bottom temperature *42.2*

No. of Thermometer *63902* Cor. *-*

Corrected temperature *42.2*

Air *60* Surface *51* Drift. *1/2' N. A*

Trawl or dredge or tangles *Lucas dredge*

SOUNDING WIRE.

DREDGE ROPE.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
<i>47.00</i>	<i>47.25</i>	0	<i>5.04.30</i>	<i>5.10.11</i>
<i>15</i>	<i>47.11</i>	100	<i>5.07.11</i>	<i>5.16.3</i>
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

Lucas dredge

47.00

47.00

No. 2444 Date July 21

Lead Machine. - (Reel) -

Turns - Cor. + - Depth

Shot or lead 12 lbBottom gy. s. y.

Bottom temperature

No. of Thermometer Cor.

Corrected temperature

Air 14.9 Surface 53 Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

611.16.300100200300400500600700800900100011001200130014001500160017001800190020002100220023002400191. 7. 21

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

SERIAL TEMPERATURE,

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25				
50				
100				
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

1567

No. 330151 Date July 20th 1890
Hand lead Machine. - Reel.

Turns 17 Cor. + - Depth 17 fms.

Shot or lead 12 lbs.

Bottom fine. gy. S.

Bottom temperature

No. of Thermometer - Cor.

Corrected temperature

Air 48° Surface 52° Drift. 0.7

Trawl or dredge or tangles

SOUNDING WIRE.

DOWN.

UP.

TURNS.

DREDGE ROPE.

DOWN.

UP.

51.00

9.51

0

60

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

No. *1115* Date *Jan 11 1881*

Tanner Machine. (Reel.)

Turns *26* Cor. + *0* Depth *26 fms*Shot or lead *28 lb*Bottom *fine g.*Bottom temperature *40.5*No. of Thermometer *65902* Cor. -Corrected temperature *40.5*Air *44* Surface *50* Drift.

Trawl or dredge or tangles

SOUNDING WIRE.

DREDGE ROPE.

DOWN.	UP.	TURNS.	DOWN.	UP.
<i>6.01.00</i>	<i>6.02.00</i>	0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

*See 1115
Sigsbee's
Catalog*

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

1000 SERIAL TEMPERATURE, 2.

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	<i>Min</i>	<i>5</i>	<i>26</i>	<i>26</i>
50		<i>11</i>	<i>21</i>	
100		<i>11</i>	<i>28 1/2</i>	
200				
300				
400				
500				
600				
700				
800				
900				
1000				

REMARKS.

567.
J.E. 13

No. 3302 ~~21~~ Date July 21st 1890.
Tanner Machine. — Reel.

Turns 30 Cor. + — Depth 30 fms.

~~Shot or lead~~ 28 lbs.

Bottom fm. gy. S.

Bottom temperature 40.2°

No. of Thermometer 63902 Cor. —

Corrected temperature 40.2°

Air. 48 Surface 51 Drift. 1^{mi} S.E. 1/2 E.

Trawl or dredge or tangles large beam.

SOUNDING WIRE.		TURNS.	DREDGE ROPE.	
DOWN.	UP.		DOWN.	UP.
8. 11. 00	12. 00	0	8. 32. 45	53. 00
11. 15	8. 11. 25	100	37. 10	8. 50. 00
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		

9 haul lines over ethd side at 8.12.
for at 8.19.
Catch: 13 Cod fish.
At 8.20 shifted lines to port side
for at 8.50.

	2500	
	2600	
	2700	
	2800	
	2900	
	3000	
	3100	
	3200	
	3300	
	3400	
	3500	
	3600	
	3700	
	3800	
	3900	
	4000	

Cod SERIAL TEMPERATURE Measurements

DEPTH.	TEMP.	NO. OF THER.	COR.	COR. TEMP.
25	4 fbs.	Minim ^m	21	^m
50	20 fbs.	Maxim ^m	33	^m
100	10 fbs.	Average	27 1/4	^m
200				
300	7	Males.	6	Females
400				
500				
600				
700				
800				
900				
1000				

REMARKS. Holothurians -
Hydroids. Sertophrytons - Large shells
with Hermits. 1 Large Crab -
Flounders - Small fishes - Polyps.
Alligator fish - 2 sps. Star fish
Small Crabs. Shrimps.

*No.**Date**Machine.**Reel.**Turns**Cor. +**Depth**Shot or lead**Bottom**Bottom temperature**No. of Thermometer**Cor.**Corrected temperature**Air**Surface**Drift.**Trawl or dredge or tangles*

SOUNDING WIRE.

DREDGE ROPE.

DOWN.

UP.

TURNS.

DOWN.

UP.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

July 19th 1890

12.20 A.M.

Bristol Bay. Standing
inshore. About to
come to anchor.